

## CREATE AND CONFIGURE IBM CLOUD SERVICES

|              |   |
|--------------|---|
| Date         | 06.11.2022  |
| Team ID      | PNT2022TMID50055  |
| Project Name | Project - Smart Waste Management System<br>For Metropolitan Cities. |

### Creating The IBM Watson IoT Device :

The screenshot displays the IBM Watson IoT Platform dashboard. The main interface includes a sidebar with navigation icons and a top navigation bar with tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. The 'Browse' tab is active, showing a search bar and a table of devices. The table has columns for 'Device ID', 'Status', and 'Device Type'. A device with ID '50055' is listed with a status of 'Disconnected' and type 'IOT'. Below the table, there are tabs for 'Identity', 'Device Information', 'Recent Events', and 'State'. The 'Recent Events' tab is selected, showing a list of events with columns for 'Event' and 'Value'. The events are labeled 'eventest' and contain JSON data. On the right side, a 'Simulations' panel is open, showing '1/50 Simulations Running' and a '+ New Simulation' button. It also lists the device type 'IOT' with '1 Event' and provides buttons for 'Create Simulated Device' and 'Use Registered Device'.

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Search by Device ID

| Device ID | Status       | Device Type |
|-----------|--------------|-------------|
| 50055     | Disconnected | IOT         |

Identity Device Information Recent Events State

The recent events listed show the live stream of data that is coming and going

| Event    | Value                                    |
|----------|--|
| eventest | {"randomNumber":3,"temp":91,"hum":69}    |
| eventest | {"randomNumber":100,"temp":102,"hum":60} |
| eventest | {"randomNumber":10,"temp":100,"hum":67}  |

Simulations Import/Export simulation

1/50 Simulations Running + New Simulation

Device Type IOT 1 Event

1 Device

50055

1 x Create Simulated Device Use Registered Device

IBM Cloud Free Tier | IBM x Service Details - IBM Cloud x IBM Watson IoT Platform x +

3glg6l.internetofthings.ibmcloud.com/dashboard/devices/browse

### IBM Watson IoT Platform

Browse Action Device Types Interfaces

| Device ID | Status       | Device Type |
|-----------|--------------|-------------|
| 12        | Disconnected | abcd        |

Identity Device Information **Recent Events** State

The recent events listed show the live stream of data that is coming and going from the device.

| Event   | Value                                   |
|---------|---|
| event_1 | {"randomNumber":49,"temp":90,"hum":85}  |
| event_1 | {"randomNumber":48,"temp":107,"hum":84} |
| event_1 | {"randomNumber":61,"temp":107,"hum":82} |
| event_1 | {"randomNumber":41,"temp":105,"hum":61} |
| event_1 | {"randomNumber":64,"temp":101,"hum":84} |

Device Type: abcd

Events 1 **New event type +**

Event type name event\_1 **Send**

Schedule 20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a [CSV file](#).

```
0 {
1   "randomNumber": random(0, 100),
2   "temp": random(90, 110),
3   "hum": random(60, 100)
4 }
5
```

**Upload a CSV file**

json a few seconds ago

Type here to search

20:15 04-11-2022

IBM Cloud Free Tier | IBM x Service Details - IBM Cloud x IBM Watson IoT Platform x +

g1a7sg.internetofthings.ibmcloud.com/dashboard/devices/browse/add

### IBM Watson IoT Platform

Browse Action Device Types Interfaces

| Device ID | Status       | Device Type |
|-----------|--------------|-------------|
| 277       | Disconnected | benina      |

Identity Device Information **Recent Events** State

The recent events listed show the live stream of data that is coming and going from the device.

| Event   | Value                                   |
|---------|---|
| event_1 | {"randomNumber":12,"temp":107,"hum":82} |
| event_1 | {"randomNumber":21,"temp":100,"hum":61} |
| event_1 | {"randomNumber":71,"temp":102,"hum":84} |
| event_1 | {"randomNumber":22,"temp":95,"hum":100} |
| event_1 | {"randomNumber":96,"temp":100,"hum":72} |

Device Type: benina

Events 1 **New event type +**

Event type name event\_1 **Send**

Schedule 20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a [CSV file](#).

```
0 {
1   "randomNumber": random(0, 100),
2   "temp": random(90, 110),
3   "hum": random(60, 100)
4 }
5
```

**Upload a CSV file**

json a few seconds ago

Account: You are invited to join XService Details - IBM CloudIBM Watson IoT Platform

pp5ngg.internetofthings.ibmcloud.com/dashboard/devices/browse

GmailYouTubeMaps

IBM Watson IoT Platform

BrowseActionDevice TypesInterfaces

Browse Devices

All DevicesDiagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

|   | Device ID | Status       | Device Type |
|---|-----------|--------------|-------------|
| > | 12345     | Disconnected | Prabha      |

Items per page 50 | 1-1 of 1 item

Device Type: Prabha

Events 1New event type +

Event type name eventflowSend

Schedule1Every Minute

PayloadSpecify the event payload in the editor window or by uploading a CSV file.

```
0 {
1   "randomNumber": random(0, 100),
2   "temp": random(90, 110),
3   "hum": random(60, 100)
4 }
5
```

Upload a CSV file

IBM Watson IoT Pla...

10:3605-11-2022